HEALTHCARE
Imaging >
Global Support Operations

Field Service Bulletin No. 2

Order No.: DD+DIS066.02E

1 piece UWF96 MA1

ADC Compact Plus

Type 5146 / 100/200

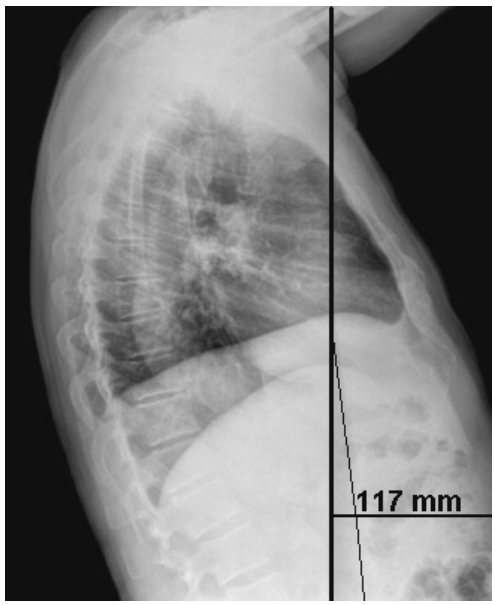
Rating			When?		
safety relevant	reliability	new function	immediately	next service	as required
	X				**X**

Please file this document in chapter 10 of your technical documentation

Image artifacts due to defective lenses in optic module

1 Problem

- Images from several ADC Compact Plus digitizers (SN1000-1180) showed vertical artifacts after installation (see image below).



- The artifact appears 117 mm from the border: For AP at left side border and for PA at right side border. Also curved lines can appear.
- The artifact mostly appears on images with format 35 x 43 cm in portrait mode. Example: Thorax, abdomen, spine

printed in Germany 03 / 2002

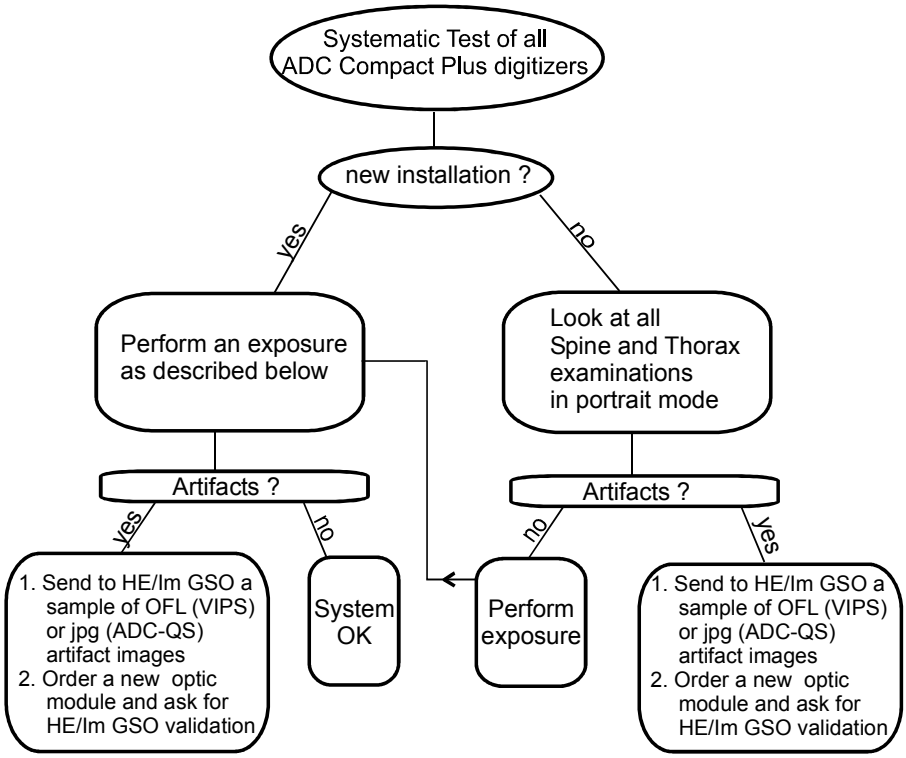
AGFA

2 Reason

Reflection problems on the Image Plate due to defective lenses inside the optic module.

3 Solution

Proceed according to the following diagram:


Systematic Test of all ADC Compact Plus digitizers
new installation ?
yes
no
Perform an exposure as described below
Look at all Spine and Thorax examinations in portrait mode
Artifacts ?
Artifacts ?
yes
no
no
yes
1. Send to HE/Im GSO a sample of OFL (VIPS) or jpg (ADC-QS) artifact images
2. Order a new optic module and ask for HE/Im GSO validation
System OK
Perform exposure
1. Send to HE/Im GSO a sample of OFL (VIPS) or jpg (ADC-QS) artifact images
2. Order a new optic module and ask for HE/Im GSO validation

Procedure to perform an exposure:

(1) Identify a cassette, 35 x 43 cm format, with Thorax in portrait mode

(2) Carry out an exposure on the Thorax X-ray source with the Thorax exposure settings, given by the customer, and put on the cassette an object as follows:

Put an object on the cassette big enough to cover the exposed area.
The object can be e.g. a lead protection material or an electronic board.

The object has not to cover the background area (gray area in figure beside).